



## FEMP O&M Program

FUPWG Meeting – Providence, RI

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**FEMP**  
Federal Energy Management Program

## FEMP Mission Statement

*“The Federal Energy Management Program facilitates the Federal government’s implementation of sound, cost-effective energy management practices to enhance the nation’s energy security and environmental stewardship”*

**Why Ab is not here!**



## Current Activities

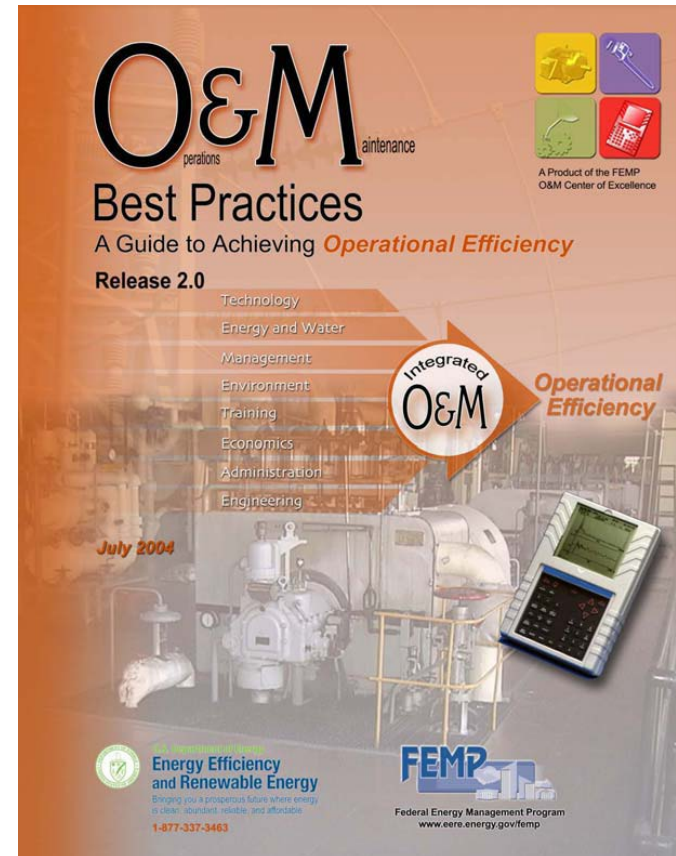
- Establish O&M Working Group as part of the Interagency Energy Management Task Force - **New**
- Create Release 3.0 of “*O&M Best Practices – A Guide to Achieving Operational Efficiency*”
- Create web-based O&M training course - **New**
- Create O&M Case Studies - **New**
- Create “How to” audit guide - **New**
- Revive and document impact of *Resource Efficiency Manager* program in Federal sector

## Working Group

- Part of Interagency Energy Management Task Force (IATF)
- One subgroup initially formed for metering
- Meetings include agency representatives (DOD, DOI, GSA, TVA, DHS, and DOE), national laboratories, private industry
- Organizational meeting held on January 28, with second meeting held on March 30. Next meeting scheduled for May 11
- Activities reported in the bi-monthly IATF meetings



- Release 1.0 – December 2002
- Release 2.0 – July 2004
- Release 3.0 – August 2010 at GovEnergy 2010 Conference in Dallas – established goal
- Release 3.0 features
  - All sections reviewed and updated
  - Cost information, efficiency information, and URL links updated
  - Additional graphics, charts, and tables added to motivate reader to create near-term action plan
  - Appendices updated



## O&M Web-based Course

- Objective was to provide a self-paced course on the principles and theory of Operations and Maintenance
- Successful completion of course will include certificate of training and obtain professional hours accreditation
- Completion requires students to pass an on-line examination that tests comprehension of the subject matter
- Initial version completed, instructions for use being developed for Working Group to test
- Will be placed on FEMP web site once testing completed

## Case Study Development

- Currently, technology focused
- Material prepared for four technologies
  - Economizers
  - Steam traps
  - Chillers
  - Re-tuning of HVAC equipment
- To be reviewed by Working Group



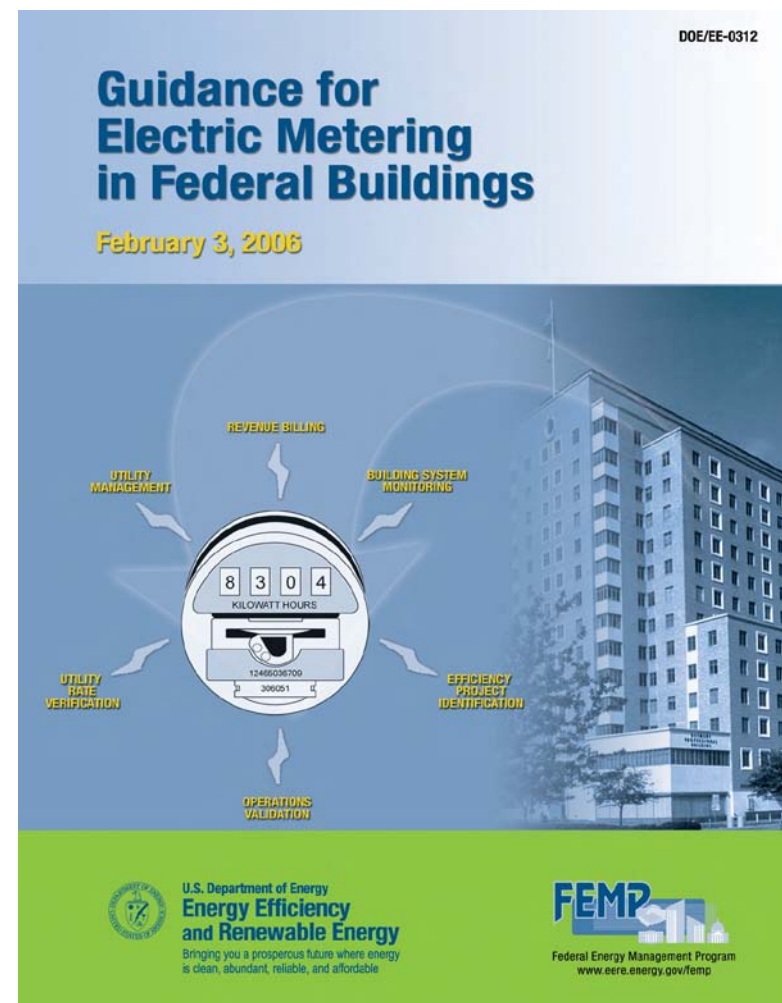
## “How to” Audit Guide

- Draft has been prepared
- Requires review by the Working Group representatives
- Based on EISA Section 432 requirements
- Current focus is developing an audit program, identification of useful resources, and creating benchmarks regarding on-going activities

## Current Metering Related Activities

- Create Revision to “*Guidance for Electric Metering in Federal Buildings*” to incorporate EISA 2007 Requirements
- Create new release to “*Metering Best Practices – A Guide to Achieving Utility Resource Efficiency*”

- Released on February 3, 2006
- Required by Section 103 (b) of the Energy Policy Act 2005
- Provided to assist agencies in developing plans to meter ELECTRIC consumption in buildings
- Completed in collaboration with DOD, GSA, and representatives of metering industry, utility industry, and advocacy organizations
- Original plan was to update document to include requirements set forth in EISA 2007
- Working Group decided update was not congressionally required and metering plans were in place, so update will not be prepared



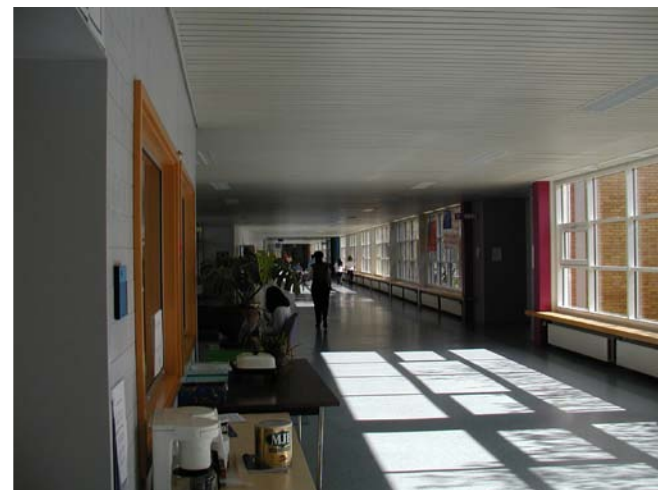
- Released in October 2007
- Focus is Federal Facility/Energy managers
- Provides information on understanding metering and actions to achieve potential savings and benefits
- Outline being reviewed by metering working group
- Next release will include updated economics, basic aspects of smart grid, and how agencies can be prepared to take advantage of smart grid



## Resource Efficiency Manager Activities

- Update information regarding current REM activities, issues, and outlooks
- Obtain project performance information to “tell the story” regarding role of REM in the Federal sector
- Understand the extent of limited available qualified personnel resources and lost opportunities
- Considering expanding REM contracting handbook
- Expand existing case study materials
- Defining next generation REM – Sustainable Performance Manager ?

## REM Project Examples – Savings of \$165,000/yr





## How can FUPWG members help?

- Become a member of the Working Group
- Share information regarding both O&M and metering related success stories at Federal sites
- Provide comments on Program products as a group or individually
- Provide ideas regarding other related topics of importance

## Your FEMP Point of Contact for O&M and metering related activities

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## Questions or Comments?